Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	05/17/2021 09:35 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	04/05/2021 10:33 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	12757	Expiration Date:	06/30/2022
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124749	-1	2.12	124749	2.08
Blue	F	SSC	125000	124246	-1	4.03	124799	3.99
Blue	E	FITC	14400	13855	-4	2.83	318	15.16
Blue	D	PE	24713	24310	-2	2.28	557	10.54
Blue	B	PerCP-Cy5-5	31796	31288	-2	3.56	1036	13.96
Blue	A	PE-Cy7	21240	20965	-2	5.55	559	28.08
Red	C	APC	41319	41137	-1	3.16	1721	11.00
Red	A	APC-Cy7	21019	20336	-4	3.58	768	11.28
Violet	B	V450	7305	7014	-4	3.76	430	12.27
Violet	A	V500	28652	27588	-4	3.32	692	9.80

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	23393	2.16	561	-8	N/A	N/A	Pass
Blue	F	SSC	57806	2.63	516	4	N/A	N/A	Pass
Blue	E	FITC	59	49.42	488	-3	0.0415	0	Pass
Blue	D	PE	117	35.73	486	-1	0.4496	305	Pass
Blue	B	PerCP-Cy5-5	192	34.88	583	-1	0.0226	102	Pass
Blue	A	PE-Cy7	110	66.53	629	-1	0.0240	2	Pass
Red	C	APC	401	23.39	574	1	0.0317	264	Pass
Red	A	APC-Cy7	173	26.58	543	-2	0.0069	1195	Pass
Violet	B	V450	60	60.31	456	0	0.0598	1938	Pass
Violet	A	V500	99	31.77	470	0	0.0250	459	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.97 - 71.95	N/A	N/A	-31.88	-31.65	1.02
Blue	20.35	16.27 - 24.41	1.28	0.99 - 1.49	0.00	0.00	1.41
Red	20.29	15.99 - 23.99	N/A	N/A	30.07	30.32	1.19

Window Extension: 7.00
FSC Area Scaling Factor: 0.75

Threshold

Threshold (FSC): 9802

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments